



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **08283618 A**(43) Date of publication of application: **29.10.96**

(51) Int. Cl.

C09D 5/03**C09D 5/03****C09D 5/28**(21) Application number: **07108170**(22) Date of filing: **07.04.95**(71) Applicant: **SUMITOMO SEIKA CHEM CO LTD**(72) Inventor: **OKANO TATSURO
MASUDA TAKASHI****(54) THERMOPLASTIC POWDER COATING
COMPOSITION FOR IMPARTING PARTICULAR
PATTERN****(57) Abstract:**

PURPOSE: To obtain a thermoplastic powder coating composition composed of inorganic fine powder having a specific particle diameter and resin powder having a specific particle diameter and containing two or more kinds of thermoplastic resin powders having different color tone and capable of imparting a stable particular pattern to a coating surface.

CONSTITUTION: This coating composition is produced by compounding (A) 100 pts.wt. of resin powder having an average particle diameter of 150-250 μ m and containing two or more kinds of thermoplastic resin powders having different color tone (preferably polyethylene, polyamide, etc.) in an amount of 2wt.% each based on the total resin powder with (B) 0.01-1 pt.wt. of inorganic fine powder having an average particle diameter of 0.001-60 μ m (preferably silica or alumina). Concretely, a composition giving a mottled pattern with brown spots on white ground is produced e.g. by finely pulverizing an ethylene-acrylic acid copolymer colored with a white pigment and the

copolymer colored with a brown pigment to average particle diameter of 180 μ m each and homogeneously mixing 0.05 pts.wt. of fine silica powder having an average particle diameter of 1.8 μ m to 100 pts.wt. of the resin powder mixture consisting of 95wt.% of the white powder and 5wt.% of the brown powder.

COPYRIGHT: (C)1996,JPO